

MINIMUM CRITERIA DETERMINATION CHECKLIST

TIP Project No. B-4683
W.B.S. Project No. 38466.1.FD1

Project Location:

Bridge 20 is located on SR 1152 (Neelie Road) and crosses South Deep Creek in Yadkin County.

Project Description:

The proposed project involves replacing the existing two-lane bridge (Bridge No. 20) with another two-lane bridge. The project is included in the 2016-2025 North Carolina Department of Transportation (NCDOT) State Transportation Improvement Program (STIP). The proposed replacement structure will be a single-span structure that is 120 feet in length, with a 27-foot ten-inch clear roadway width. Two ten foot lanes with three-foot 11-inch offsets will be provided on the bridge. The location is shown in the attached *Vicinity Map*.

Purpose and Need:

The purpose of the proposed project is to replace a deficient bridge. Bridge No. 20 has a sufficiency rating of 21.09. The bridge is structurally deficient due to superstructure and substructure ratings of 4 out of 9 and functionally obsolete due to structural and deck geometry ratings of 3 out of 9. The bridge is posted with a weight limit of 14 tons for single vehicles and 17 tons for tractor trailer semi-trailers.

Anticipated Permit or Consultation Requirements:

A Nationwide Permit 23 will likely be required for impacts to “Waters of the United States” resulting from this project. Other permits that may apply include a NWP No. 33 for temporary construction activities such as stream dewatering, work bridges, or temporary causeways that are often used during bridge demolition.

A NC Division of Water Resources Section 401 Water Quality General Certification may be required prior to the issuance of a Section 404 Permit. The US Army Corps of Engineers holds the final discretion as to what permit will be required for the project.

Special Project Information:

Environmental Commitments: The list of project commitments is located at the end of this Minimum Criteria Checklist.

Pedestrian and Bicycle Accommodations: SR 1152 is not a designated bike route nor is there an indication of substantial bike or pedestrian usage. Exclusive bicycle and pedestrian accommodations are not proposed.

Alternatives Considered: Preliminary alternatives investigated for the proposed project included a 'replace in-place' alternative with an off-site detour (Alternative 1) and a new-location alternative to the north (Alternative 2). In order to reduce costs and impacts, Alternative 1 is the preferred alternative and the alternative analyzed for impacts in this checklist.

Public Involvement: A newsletter was sent out to property owners in the project area, but no substantive comments were received.

PART A: MINIMUM CRITERIA

	YES	NO
1. Will the proposed project involve land disturbing activity of more than ten acres that will result in substantial, permanent changes in the natural cover or topography of those lands?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. Will the proposed project require the expenditure of more than ten million dollars in public funds?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Is the proposed project listed as a type and class of activity which would qualify as a Non-Major Action under the Minimum Criteria rules?	<input checked="" type="checkbox"/>	<input type="checkbox"/>

If “yes”, under which category?

#9

(Note: If either Category #8 or #15 is used, complete Part D of this checklist.)

If “yes” is selected for either Question 1 or 2 and “no” is selected for Question 3, then the project does not qualify as a Non-Major Action. A state environmental impact statement (SEIS) or state environmental assessment (SEA) will be required.

PART B: MINIMUM CRITERIA EXCEPTIONS

	YES	NO
4. Does the proposed activity have a significant adverse effect on wetlands; surface waters such as rivers, streams, and estuaries; parklands; prime or unique agricultural lands; or areas of recognized scenic, recreational, archaeological, or historical value?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
5. Will the proposed activity endanger the existence of a species on the Department of Interior’s threatened and endangered species list?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
6. Would the proposed activity cause significant changes in land use concentrations that would be expected to create adverse air quality impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
7. Would the proposed activity cause significant changes in land use concentrations that would be expected to create adverse water quality or groundwater impacts?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
8. Is the proposed activity expected to have a significant adverse effect on long-term recreational benefits?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
9. Is the proposed activity expected to have a significant adverse effect on shellfish, finfish, wildlife, or their natural habitats?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
10. Will the proposed activity have secondary impacts or cumulative impacts that may result in a significant adverse impact to human health or the environment?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
11. Is the proposed activity of such an unusual nature or does the proposed activity have such widespread implications, that an uncommon concern for its environmental effects has been expressed to the NCDOT?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Note: If any of Questions 4 through 11 in part B are answered “YES”, the proposed project does not qualify as a Non-Major Action. A SEIS or SEA will be required.

PART C: COMPLIANCE WITH STATE AND FEDERAL REGULATIONS

	YES	NO
<u>Ecological Impacts</u>		
12. Is a federally protected threatened or endangered species, or its habitat, likely to be impacted by the proposed action?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
13. Does the action require the placement of fill in waters of the United States?	<input checked="" type="checkbox"/>	<input type="checkbox"/>
14. Does the project require the placement of a significant amount of fill in high quality or relatively rare wetland ecosystems, such as mountain bogs or pine savannahs?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
15. Does the project require stream relocation or channel changes?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
16. Is the proposed action located in an Area of Environmental Concern, as defined in the Coastal Area Management Act?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<u>Cultural Resources</u>		
17. Will the project have an “effect” on a property or site listed on the National Register of Historic Places?	<input type="checkbox"/>	<input checked="" type="checkbox"/>
18. Will the proposed action require acquisition of additional right of way from publicly owned parkland or recreational areas?	<input type="checkbox"/>	<input checked="" type="checkbox"/>

Further Information for Response to Question 12- While there is suitable habitat for the northern long-eared bat (NLEB), this species is exempt due to consistency with the 4(d) rule. A memo documenting this was prepared by the NCDOT biologists in April 2017. NCDOT will coordinate with USACE regarding this information to satisfy Section 7 of the Endangered Species Act.

Further Information for Response to Question 13 – The project area has no wetland impacts, but will impact 155 linear feet of streams (90 feet of temporary impact to surface waters and 65 feet of permanent impact to surface waters).

PART D: (To be completed when either category #8 or #15 of the rules is used.)

- 19. Project length:
- 20. Right of Way width:
- 21. Total Acres of Disturbed Ground Surface:
- 22. Total Acres of Wetland Impacts:
- 23. Total Linear Feet of Stream Impacts:
- 24. Project Purpose:

Reviewed by:

7/7/2017

Date

DocuSigned by:

Angela Sanderson

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Project Planning Engineer

Project Development & Environmental Analysis Unit

7/7/2017

Date

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Project Engineer

Project Development & Environmental Analysis Unit

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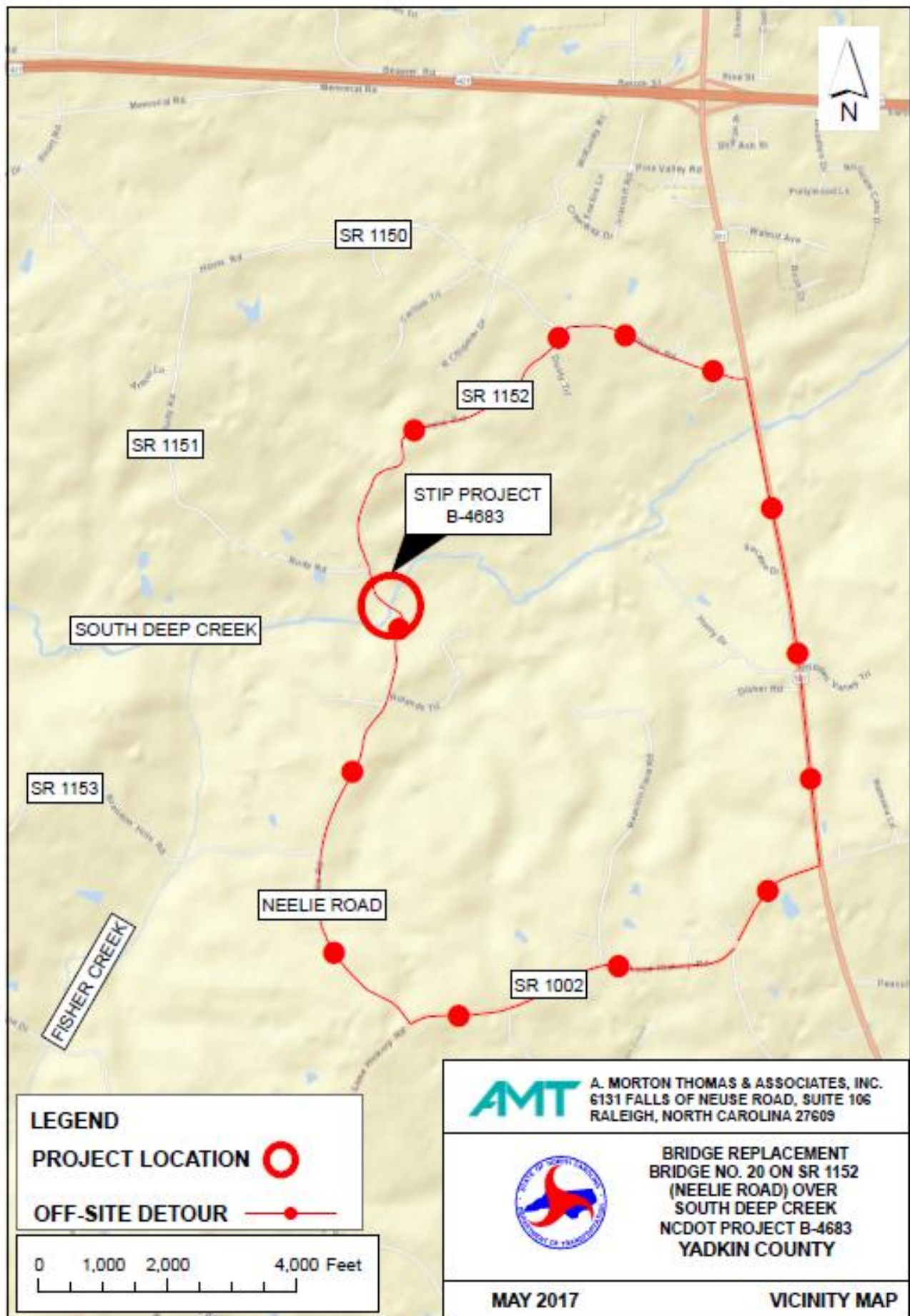
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William T. Rice II, REA, CCI

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Consultant Project Manager



Project Commitments

Yadkin County
Bridge No. 20 on SR 1152 (Neelie Road) over South Deep Creek
WBS No.: 38466.1.FD1
TIP No.: B-4683

- Environmental Analysis Unit
 - Construction authorization will not be requested until Endangered Species Act (ESA) Section 7 is satisfied for the northern long-eared bat (NLEB).

- Division 11 Construction
 - This project involves construction activities on or adjacent to FEMA-regulated stream(s). Therefore, the Division shall submit sealed as-built construction plans to the Hydraulics Unit upon completion of project construction, certifying that the drainage structure(s) and roadway embankment located within the 100-year floodplain were built as shown in the construction plans, both horizontally and vertically.

- Hydraulics Unit
 - The Hydraulics Unit will coordinate with the NC Floodplain Mapping Program (FMP), to determine the status of the project with regard to applicability of NCDOT's Memorandum of Agreement, or approval of a Conditional Letter of Map Revision (CLOMR) and subsequent final Letter of Map Revision (LOMR).